
Subject: Re: Coyote's BIG Idea

Posted by [Jeremy Bailin](#) on Tue, 25 Jan 2011 12:39:59 GMT

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On Jan 24, 11:31 am, David Fanning <n...@dfanning.com> wrote:

> David Fanning writes:

>> This is friggin' UN-BE-LEAVE-A-BLE!

>

> OK, I have the modified programs ready for you to try out.

> There are LOTS of them, so you need a new Coyote Library

> download.

>

> Here is how it works. FSC_Window can be used pretty

> much like the Window command:

>

> IDL> FSC_Window

>

> Produces a blank window. If you want to draw something

> in that window, you have to set the /WINDOW keyword on

> any Coyote Graphics routine. This will cause the

> FSC_Window to add or replace the command, as necessary,

> in its command list and display the graphic.

>

> ; Display a line plot in the window.

> FSC_Plot, Loaddata(1), /Window

>

> ; Now display a filled contour plot with overlay and colorbar.

> LoadCT, 33

> data = LoadData(2)

> FSC_Contour, data, /Fill, Position=[0.1,0.1,0.9,0.75], /Window

> FSC_Contour, LoadData(2), /Overplot, COLOR='gray', /Window

> FSC_Colorbar, RANGE=[Min(data), Max(data)], /Window

>

> ; Now display a surface.

> FSC_Surf, data, /Shaded, /Elevation, /Window

>

> I'm working on a configuration routine so that you can globally

> configure the Coyote Graphics commands to go into normal graphics

> windows or into FSC_Window graphics windows and don't have to set

> the WINDOW keyword every time.

>

> Now create several windows.

>

> FSC_Window, WTitle='Window 1'

> FSC_Window, WTitle='Window 2'

> FSC_Window, WTitle='Window 3'

>

> Gather information about all the FSC windows on the display.

```

>
> winIDs = FSC_QueryWin(TITLE=titles, COUNT=count)
> FOR j=0,count-1 DO Print, winIDs[j], ' ', titles[j]
>
> Select the window entitled "Window 1". You can select on
> window index number, title, widget ID, or object reference.
> Your choice with different keywords.
>
> FSC_WSet, 'Window 1', /TITLE
>
> Put a plot in this window.
>
> FSC_Plot, Loaddata(1), /Window
>
> Select another window, put a contour in there.
>
> FSC_WSet, 'Window 2', /TITLE
> FSC_Contour, data, /Fill, Position=[0.1,0.1,0.9,0.75], /Window
> FSC_Contour, LoadData(2), /Overplot, COLOR='gray', /Window
> FSC_Colorbar, RANGE=[Min(data), Max(data)], /Window
>
> Select another window, put a surface in there.
>
> FSC_WSet, 'Window 3', /TITLE
> FSC_Surf, data, /Shaded, /Elevation, /Window
>
> All windows resizeable. All windows can make PostScript files.
> All windows can produce fantastic looking raster image output
> if ImageMagick is installed.
>
> UN-FRIGGIN-B-LEAVE-A-BLE!!!
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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Well, I know what I'm going to spend today trying out. :-)=

-Jeremy.